

Information of the setting of the Envision Multilabel Reader

Number of assay repeats	1
Mode of measurement	by rows bi-directional
Height of the plate	14.35mm

Absorbance @595

Excitation filter	Photometric 595
Measurement height	6.5mm
Number of flashes	10
Number of flashes integrated	1
Excitation light	100%
Reference excitation light	100%
Reference AD gain	1
Reference signal	240484

Green fluorescence measurement

Top mirror	FITC
Bottom mirror	N/A
Excitation filter	FITC 485
Using of excitation filter	Top
Second excitation filter	N/A
Emission filter	FITC 535
Second emission filter	N/A
Measurement height	6.5mm
Number of flashes	10
Number of flashes integrated	1
PMT gain	100
Excitation light	20%
Reference excitation light	100%
Emission light	100%
Reference AD gain	1
Reference signal	273573

Filters used

Photometric 595

- CWL=595nm
- BW=10nm
- Tmin=40%

FITC 485

- CWL=485nm
- BW=14nm
- Tmin=60%

FITC 535

- CWL=535nm
- BW=25nm
- Tmin=50%

Absorbance	Barcode	CWL (nm)	Bandwidth	Transmission %	Item
Photometric 260/10nm	305	260	10	12	P260
Photometric 320/14nm	323	320	14	20	P320
Photometric 340/25nm	301	340	25	40	P340
Photometric 405/8nm	302	405	8	40	P405
Photometric 530/8nm	310	530	8	55	P530
Photometric 595/10nm	315	595	10	40	P595
Photometric 620/8nm	320	620	8	40	P260

Excitation	Barcode	CWL (nm)	Bandwidth	Transmission %	Item	Unit
485/14nm FITC	102	485	14	60	X485	Fluorescence Internsity (FI)-FITC
430/24nm CFP	138	430	24	90	X430	
Tamra SNP 531/25nm	132	531	25	60	X531a	Fluorescence Polarization (FP)-TAMRA Acyclo Prime SNP
UV (TRF340) dug11 + wg320	101	340	60	60	x340	Time-Resolved Fluorescence (TRF)-DELFI A 340 Label

Emission	Barcode	CWL (nm)	Bandwidth	Transmission %	Item	Unit
535/25nm FITC	206	535	25	50	M535	Fluorescence Internsity (FI)-FITC
470/24nm CFP	240	470	24	90	M470	
530/35nm YFP	274	530	35	90	M535	
Tamra FP S-pol 579/25 filter	245	579	25	60	M579s	Fluorescence Polarization (FP)-TAMRA Acyclo Prime SNP
Tamra FP P-pol 579/25 filter	246	579	25	60	M579p	Fluorescence Polarization (FP)-TAMRA Acyclo Prime SNP
Europium 615/8.5 filter	203	615	8.5	80	M615	Time-Resolved Fluorescence (TRF)-DELFI A 340 Label
MOCA 400/25 filter	218	400	25	40	M400w	

Optical Mirror module	Barcode	Item	Unit
FITC D505 Single mirror	403	D505	Fluorescence Internsity (FI)-FITC
CFP/YFP D450_515 single mirror	428	D450_515	
General bs50 single mirror	401	BS50	
LANCE/DELFI A D400 single mirror	412	D400	Time-Resolved Fluorescence (TRF)-DELFI A 340 Label
BODIPY TMR FP D595 single mirror	432	D555fp	Fluorescence Polarization (FP)-TAMRA Acyclo Prime SNP